COMPLETE LISTING OF CLAIMS AND CLAIM AMENDMENTS

Claims 1-21 (previously withdrawn)

22. (previously presented): A non-circulating tank for use with a liquid heating vessel of a non-externally pressurized space heating system, the heating vessel having a flue for release of exhaust, said tank comprising;

liquid holding means for holding liquid utilized with the heating system, said liquid holding means including a top having an opening to the atmosphere for releasing air from the system, said liquid holding means having an outer tank wall, an inner tank wall and a bottom tank wall;

connecting means for connecting said tank to the heating vessel so that liquid within said tank communicates with the vessel and so that air bubbles may migrate from the system to the atmosphere;

leg means for creating a separation between said tank and the heating vessel; and

aperture means for receiving the flue which extends vertically through said aperture, said aperture means defined by said liquid holding means.

23. (previously presented): The tank according to claim 22 wherein said liquid holding means is doughnut shaped.

24. (previously presented): The tank according to claim 22 wherein said liquid holding means is horseshoe shaped.

25. (previously presented): A non-circulating tank for use with a heating vessel of a non-externally pressurized space heating system, the system of the variety having a heat vessel for heating liquid, piping connected to the heat vessel for receiving the heated liquid and circulating the heated liquid throughout coils and back to the heat vessel, the piping including a pump for circulating liquid through the piping and the coils, the heat vessel positioned above the coils and having a flue for release of exhaust, said tank comprising:

liquid holding means for holding liquid utilized with the heating system, said liquid holding means including a top having an opening to the atmosphere for releasing air from the system, said liquid holding means having an outer tank wall, an inner tank wall and a bottom tank wall;

connecting means for connecting said tank to the heating vessel so that liquid within said tank communicates with the vessel;

leg means for creating a separation between said tank and the heating vessel; and

aperture means for receiving the flue which extends vertically through said aperture, said aperture means defined by said liquid holding means.

26. (previously presented): A do-it-yourself hydronic space heating kit for assembly of a space heating system utilizing a heat vessel for heating liquid, the heat vessel having a flue, piping connected to the heat vessel for receiving heated liquid and circulating the heated liquid throughout coils and back to the heat vessel, said kit comprising:

a non-circulating tank for holding water, said tank including an aperture adapted to receive the flue which extends therethrough, and said tank having releasing means for releasing air contained within the system;

a circulating pump sized to connect with the piping; and

a connecting means for connecting said tank to the vessel.

27. (previously presented): A do-it-yourself hydronic space heating kit according to claim 26 wherein said kit includes a heating vessel.

28. (previously presented): A do-it-yourself hydronic space heating kit according to claim 26 wherein said kit includes a line voltage thermostat and instructions for assembly.

29. (previously presented): A do-it-yourself hydronic space heating kit according to claim 26 wherein said tank includes leg means for creating a separation between said tank and the heating vessel.

30. (previously presented): An improved method of radiant space heating of the type utilizing a heat vessel for heating liquid, the heat vessel having a flue, piping connected to the heat vessel for receiving heated liquid and circulating the heated liquid with at least one circulating pump throughout coils and back to the heat vessel, the improvement comprising the steps of:

providing a non-circulating tank comprising:

a liquid holding means for holding liquid in communication with the heat vessel, said liquid holding means including a top having an opening to the atmosphere for releasing air from the heat vessel, said liquid holding means having an outer tank wall, an inner tank wall and a bottom tank wall;

connecting means for connecting said tank to the heating vessel so that liquid within said tank communicates with the vessel and so that air bubbles may migrate from the heat vessel to the atmosphere;

leg means for creating a separation between said bottom tank wall and the heating vessel; and

aperture means for receiving the flue which extends vertically through said aperture, said aperture means defined by said liquid holding means; and

positioning said tank atop the heat vessel in a spaced separation position from the heat vessel;

whereby said tank is removed from contact with higher temperature sources in order to minimize temperature increases in the liquid within said tank.

31. (previously presented): An improved method of radiant space heating according to claim 30 wherein said positioning step includes positioning said tank in a spaced clearance position from the flue.

Claims 32-41 (previously withdrawn)

42. (previously presented) A tank for use with a liquid heating vessel of a hydronic radiant heating system, the heating vessel having a flue for release of exhaust, said tank comprising;

liquid holding means for holding liquid utilized with the heating system;

leg means for separating said liquid holding means from the heating vessel; and

aperture means for receiving the flue which extends therethrough, said aperture means defined by said liquid holding means.

43. (currently amended) A non circulating tank for use with a liquid heating vessel of a hydronic radiant heating system, the heating vessel having a flue <u>defined by a flue wall</u> for release of exhaust, said tank comprising;

liquid holding means for holding liquid utilized with the heating system; and

<u>an inner tank wall defining an</u> aperture ~~means~~ for receiving the flue which extends therethrough, said <u>inner tank wall</u> ~~aperture means~~ defined by said liquid holding means.

44. (currently amended): The tank according to claim 43 wherein said inner tank wall is generally cylindrical and has ~~aperture means includes an aperture having~~ a diameter greater than the diameter of the flue wall of the heating vessel.

45. (currently amended): The tank according to claim 43 wherein said inner tank wall defines a clearance between said inner tank wall and the flue wall ~~tank includes air releasing means~~.

46. (currently amended): The tank according to claim 43 wherein said tank includes air releasing means ~~is an open top~~.

47. (previously presented): The tank according to claim 43 wherein said liquid holding means is doughnut shaped.

48. (previously presented): The tank according to claim 43 wherein said tank includes connecting means for connecting said tank to the heating vessel.

49. (previously presented): The tank according to claim 43 wherein said tank is integrally connected to the heating vessel.

50. (previously presented): The tank according to claim 43 wherein said liquid holding means includes an outer tank wall, an inner tank wall, and a bottom tank wall.

51. (previously presented): The tank according to claim 50 wherein said inner tank wall extends substantially vertically from said bottom tank wall.

52. (previously presented): The tank according to claim 22 wherein said leg means includes a strip of material.

53. (previously presented): The tank according to claim 52 wherein said strip includes sheet metal.

54. (previously presented): The tank according to claim 22 wherein said leg means includes a leg.

55. (new): A non circulating tank for use with a liquid heating vessel of a hydronic radiant heating system, the heating vessel having a flue for release of exhaust, said tank comprising;

liquid holding means for holding liquid utilized with the heating system, said liquid holding means includes an outer tank wall, an inner tank wall, and a bottom tank wall wherein said inner tank wall extends substantially vertically from said bottom